>>**Entry Name: 3-Methyl-2-thiophenecarboxylic acid**

CAS Registry Number: 23806-24-8

Molecular Formula: $C_6H_6O_2S$
Molecular Weight: 142.178
Accurate Mass: 142.00885
Percentage Composition: C 50.69%; H 4.25%; O 22.51%; S 22.55%
Physical Description: Needles (H_2O or EtOH aq.)
Melting Point: Mp 147°
Solubility: Sol. hot H_2O

Aldrich: 24820-7

>>**Derivative:** Me ester

Molecular Formula: $C_7H_8O_2S$
Molecular Weight: 156.205
Accurate Mass: 156.0245
Percentage Composition: C 53.82%; H 5.16%; O 20.49%; S 20.53%
Boiling Point: Bp 116-117.5°

>>**Derivative:** Et ester

CAS Registry Number: 14300-64-2
Molecular Formula: $C_8H_{10}O_2S$
Molecular Weight: 170.232
Accurate Mass: 170.04015
Percentage Composition: C 56.45%; H 5.92%; O 18.80%; S 18.84%
Boiling Point: Bp_{12} 108-109°

>>**Derivative:** Chloride

CAS Registry Number: 61341-26-2
Molecular Formula: C_6H_5ClOS
Molecular Weight: 160.624
Accurate Mass: 159.974962
Percentage Composition: C 44.87%; H 3.14%; Cl 22.07%; O 9.96%; S 19.96%
Boiling Point: Bp 218-220°

>>**Derivative:** Nitrile
Synonym(s): 2-Cyano-3-methylthiophene

CAS Registry Number: 55406-13-8
Molecular Formula: C_6H_5NS
Molecular Weight: 123.178
Accurate Mass: 123.014269
Percentage Composition: C 58.51%; H 4.09%; N 11.37%; S 26.03%
Physical Description: Liq.
Boiling Point: Bp_{12} 84-88°

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